

CLAIMS

[0058] What is claimed is:

1. A control unit comprising:

a recognition result receiver able to receive a recognition result;

5 a recognition result association unit having associations of results with
recognition engines; and

 a recognition engine activator able to activate the recognition engine
associated with said recognition result.

2. A control unit according to claim 1 and further comprising a device

10 communicator able to send feedback commands to a device.

3. A control unit according to claim 2 wherein said device is selected from the
group consisting of a telephone, a computer, a car accessory, a lock, a PDA, an
audio device, a video device, and a voice controlled appliance.

4. A device comprising:

15 a microphone;

 an analog to digital converter able to convert input received by said
microphone;

 a first speech recognition engine adapted to perform a first type of
recognition on an output of said analog to digital converter; and

20 a second recognition engine adapted to perform a second type of
recognition on said output.

5. A device according to claim 4 and further comprising a vocoder.

6. A device according to claim 4 wherein said first type of recognition and said second type of recognition are selected from the group consisting of:

- a speaker independent commands and control engine;
- a speaker independent name dialing engine;
- 5 a speaker dependent name dialing engine;
- a speaker independent digit dialing multilanguage engine; and
- a speaker dependent digit dialing language independent engine.

7. A voice controlled apparatus comprising:

at least two speech recognition engines; and

10 a control unit able to switch between said engines based on recognition results of said engines.

8. A voice controlled apparatus according to claim 7 and further comprising a vocoder.

9. A voice controlled apparatus according to claim 7 wherein said at least two speech recognition engines are selected from the group consisting of:

- a speaker independent commands and control engine;
- a speaker independent name dialing engine;
- 15 a speaker dependent name dialing engine;
- a speaker independent digit dialing multilanguage engine; and
- a speaker dependent digit dialing language independent engine.

20

10.A voice controlled apparatus according to claim 7 and further comprising a user feedback unit.

11.A voice controlled apparatus according to claim 10 wherein said user feedback unit is selected from the group consisting of a speaker and a display unit.

12.A method comprising:

recognizing a first audio input by a first recognition engine;

5 activating a second recognition engine previously associated with said recognized input; and

recognizing a second audio input by said second recognition engine.

13.A method according to claim 12 and further comprising sending feedback to a user.

10 14.A method comprising:

recognizing an audio input by a first recognition engine;

recognizing said audio input by a second recognition engine; and

choosing between a first recognized result of said first engine and a second recognized result of said second engine.

15 15.A method according to claim 14 and further comprising activating a recognition engine.

16.A device comprising:

a microphone;

20 an analog to digital converter able to convert input received by said microphone;

a first speech recognition engine adapted to perform a first type of recognition on an output of said analog to digital converter;

a second recognition engine adapted to perform a second type of recognition on said output; and

a speaker able to provide audio feedback related to at least one recognition result from said first and said second recognition engines.

5 17.A voice controlled telephone comprising:

a recognition result receiver able to receive a recognition result;

a recognition result association unit having associations of results with recognition engines;

10 a recognition engine activator able to activate the recognition engine associated with said recognition result; and

a speaker able to provide audio feedback related to said recognition result.

18.A voice controlled telephone comprising:

a microphone able to receive voice input;

an analog to digital converter able to convert said input;

15 at least two speech recognition engines able to perform recognition on an output of said analog to digital converter; and

a control unit able to switch between modes of operation based on said output .

19.A voice controlled telephone comprising:

20 a recognition result receiver able to receive a recognition result;

a recognition result association unit having associations of results with recognition engines; and

a recognition engine activator able to activate the recognition engine associated with said recognition result.

1000314-120704
T